



DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES  
Minerals & Mining Program - Oil & Gas Section  
2050 West Main, Suite #1, Rapid City, SD 57702-2493  
Telephone: 605-394-2229, FAX: 605-394-5317

FORM 2

**RECEIVED**

SEP 10 2007

DEPT OF ENVIRONMENT & NATURAL  
RESOURCES - RCRO**APPLICATION FOR PERMIT TO DRILL**

Type of work:

☒ Drill New Well ☐ Reenter Well ☐ Drill Directional Well☐ Other \_\_\_\_\_

Type of well:

☒ Oil Well ☐ Gas Well ☐ Injection☐ Other \_\_\_\_\_

Name and Address of Operator:

Continental Resources, Inc. P.O. Box 1032, Enid, OK 73702

Telephone

(580) 233-8955

Name and Address of Surface Owner:

David Niemi, Niemi Ranch P.O. Box 227, Buffalo, SD 57720

Name and Address of Drilling Contractor and Rig Number:

J&amp;R Well Service 791 Lane 9, Powell, WY 82435

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):

1900' FSL &amp; 800' FEL, Sec 31-21N-4E, NESE

If Directional, top of pay and bottom hole location from nearest lines of section:

#1 660' FNL &amp; 1700' FWL, Sec 31-21N-4E, NENW, #2 250' FNL &amp; 950' FEL, Sec 6-20N-4E, NENE

Acres in Spacing (Drilling) Unit

4580.93

Description of Spacing Unit

West Buffalo Red River Unit

Well Name and Number		Elevation	Field and Pool, or Wildcat	Proposed Depth and Formation
WBRRU 43-31H		3145' GL	Buffalo	#1 12,400', #2 10,900' Red River "B"
Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program (amount, type, additives) Depth
1) 13 1/2	9 5/8"	36 #	1500'	470 sk 35/65 Poz/C, 12% gel, 2% CaCl
2) 8 3/4	7 "	23,26,29#	8715'	Class "C", 2% CaCl
3)				870 sk 35/65 Poz/G, 5% KCl, 6% gel,
4)				Class "G", 35% sand, 3% KCl

Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use additional page(s) if appropriate.

The northwest lateral of the WBRRU 43-31H well is intended to parallel the injection plume of the WBRRU 12-31 air injection well. The southwest lateral will be drilled toward the shut in WBRRU 32-6 air injection well. There is the possibility that we may encounter an injection plume from the WBRRU 12-31 air injection well during the drilling of either one of the proposed laterals.

I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.

Signature

Becky Barnes

Name (Print)

Regulatory Comp

Title

08/22/2007

Date

**FOR OFFICE USE ONLY**

Approved By:

Title: Oil and Gas Supervisor

Permit No. 1845

API No. 40 063 20630

Date Issued: September 20, 2007

Conditions, if any, on attached page.